

#### IV. REMARKS

Bath relates to a transceiver using an intermediate frequency (IF). Thus, the image frequencies produced in the mixing process must be eliminated, for example, by means of a SAW filter.

The present invention relates to a transceiver that does not use an intermediate frequency. In other words, the transceiver architecture is either direct conversion or low-IF architecture.

In reception the function of a common filter is to perform channel filtering. In transmission the function of the filter is to remove the clock-harmonic mirror images of a desired signal that are produced by a digital-to-analog converter and to filter the noise of the adjacent channels. Said mirror images differ from those discussed in the Bath publication.

The independent claims have been amended to overcome the rejections. They now recite that the common filter is used in the receiving stage for channel filtering and in the transmission stage for filtering the quantization noise out of the signal to be transmitted.

Since this is not shown in Bath, the rejection of claims 1-17 under 35 USC 102 on Bath should be withdrawn.

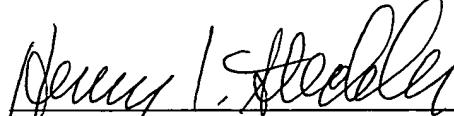
Further, since this feature is not suggested by Bath, claims 1-17 are unobvious over it.

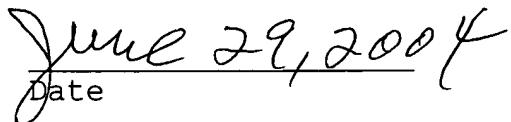
For all of the foregoing reasons, it is respectfully submitted that all of the claims now present in the application are clearly novel and patentable over the prior art of record, and are in proper form for allowance. Accordingly, favorable reconsideration and allowance is respectfully requested. Should

any unresolved issues remain, the Examiner is invited to call Applicants' attorney at the telephone number indicated below.

The Commissioner is hereby authorized to charge payment for any fees associated with this communication or credit any over payment to Deposit Account No. 16-1350.

Respectfully submitted,

  
Henry J. Steckler  
Reg. No. 44,004

  
Date

Perman & Green, LLP  
425 Post Road  
Fairfield, CT 06824  
(203) 259-1800  
Customer No.: 2512

#### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date indicated below as first class mail in an envelope addressed to the Mail Stop Amendment, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: 6/29/04 Signature:   
Person Making Deposit